

Product Search Data Sheet

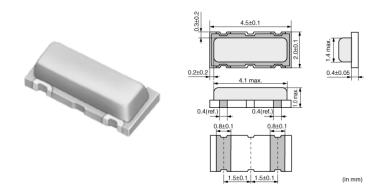
# CDSCB10M7GF123-R0

discontinued RoHS REACH

## Applications

| Unsuitable               | Please be sure to read and comply with     |
|--------------------------|--|
| Applications             | these "Precautions for use."               |
| Specific<br>Applications | Consumer equipment                         |
|                          | Please refer to Our Website and            |
|                          | specifications, etc. for information about |
|                          | the performance, functions, quality,       |
|                          | management, and safety required for        |
|                          | the above applications, and use            |
|                          | Products after confirming the              |
|                          | performance and reliability of the actual  |
|                          | Product.                                   |

## Appearance & Shape



Note: This datasheet may be out of date. Please download the latest datasheet of CDSCB10M7GF123-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=CDSCB10M7GF123-R0

## Packaging Information

| Packaging | Specifications      | Standard<br>Packing<br>Quantity |
|-----------|---------------------|---------------------------------|
| R0        | 180mm Embossed Tape | 2000                            |



CDSCB10M7 series forms a resonator on a piezoelectric ceramic substrate. In combination with ICs, this type obtains stable demodulation characteristics in a wide bandwidth.They have 1.0mm max.thickness and small mounting area(4.5x2.0mm).

### Features

1. Compact and high reliability and recommended for automotive applications.

2. Can be combined with various ICs. The IC is determined by the last number in the part number.

3. Stable demodulation characteristics can be obtained without adjustment.

- 4. Stable temperature characteristics
- 5. Available lead (Pb) free solder reflow.

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### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





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## Specifications

| Operating Temperature<br>Range | -20°C to 80°C                     |
|--------------------------------|-----------------------------------|
| Shape                          | SMD                               |
| Elements                       | 1                                 |
| Center Frequency               | 10.700MHz                         |
| Nominal Center Value           | Yes                               |
| IC                             | TA31275FN                         |
| IC Maker                       | TOSHIBA                           |
| S Curve(min.)                  | 900mV min.,[10.<br>700MHz±200kHz] |
| Detection Method               | quadrature type                   |
| Mass                           | 21.84mg                           |

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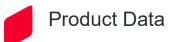


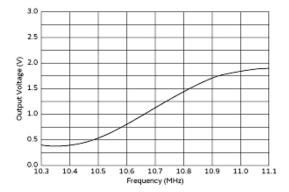


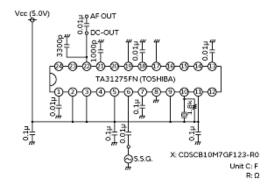
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**Frequency Characteristics** 

Measurement Circuit

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